

### Technical Information

Vanceva® color interlayers offer certain high-performance safety characteristics, useful in demanding applications such as vertical, sloped and overhead glazing. The tough plastic interlayer resists penetration from accidental impact and, unlike ordinary glass, won't shatter into dangerous fragments if broken. Vanceva color PVB interlayer is sold at a minimum of 15 gauge (0.38 mm, 0.015 in). Laminated glazing made with Vanceva interlayer, when used in the proper thickness can meet the federally mandated safety glass requirements of CPSC and is also able to meet the various requirements outlined in European and 'Secure by Design' standards related to laminated glass.

Laminated architectural glass made with Vanceva color interlayer offers greater protection for people and property than other glass products. Standard industry constructions are proven to provide protection when subjected to attack by burglary, forced entry, bombs and even ballistics. Security glazing refers to the almost limitless family of products constructed from laminated glass which is designed to withstand the complex dynamic impact loads resulting from intentional assault.

Laminated glass with Vanceva color interlayer can effectively reduce the transmittance of noise between spaces and from outside to inside better than conventional glazing systems. The dampening characteristics of laminated glass can minimize the interference in classrooms, meetings, and general conversation caused by disruptive noise - from traffic and jet aircraft to office machinery and industrial equipment.

Laminate systems made with Vanceva® color interlayer can help control solar heat gain and reduce cooling loads in commercial buildings. The interlayer absorbs energy in the ultraviolet (UV), visible and infrared wavelength spectrums and dissipates most of the absorbed energy to the outside. For increased solar or thermal performance, the Vanceva interlayer can be fabricated into insulating glass units or can be combined with low-e or reflective glass. Similar to the way sun black protects your skin, Vanceva interlayers screen out and virtually eliminate harmful and damaging UV radiation. Vanceva filters out UV light and helps protect and preserve interior furnishings and fabrics, drapes and wall coverings, photographs and artwork from fading and deterioration.